

## **The information coding in the time structure of the object of a laser pulse in an optical echo processor**

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### **Abstract**

The encoding of information in time intervals of an echelon of laser pulses of an object pulse in the optical echo processor is considered. The measures of information are introduced to describe the transformation of classical information in quantum information. It is shown that in the description of information transformation into quantum information, the most appropriate measure is a measure of quantum information based on the algorithmic information theory. Copyright © 2012 L. A. Nefediev and A. R. Sakhbieva.

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